



V502, EDITION 3  
 Prepared by the U.S. Army Topographic Command (AMT), Washington, D.C. Compiled in 1954 by photogrammetric methods and from United States quadrangles, 1:24,000 and 1:50,000, 1948-51; County and Parish highway maps, revised 1952-53. Planimetry revised by photogrammetric methods from aerial photographs taken 1938-51. Map field checked 1953. Revised in 1972 by the U.S. Geological Survey from aerial photographs taken 1971.  
 Area covered by dashed light-blue pattern is subject to controlled inundation  
 Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram

**LEGEND**

Figures in red denote approximate distances in miles between stars

**POPULATED PLACES**  
 Over 500,000  
 100,000 to 500,000  
 25,000 to 100,000  
 5,000 to 25,000  
 1,000 to 5,000  
 Less than 1,000

**ROADS**  
 Primary, all-weather, hard surface  
 Secondary, all-weather, hard surface  
 Light-duty, all-weather, hard or improved surface  
 Fair or dry weather, unimproved surface  
 Trail  
 Grand Coulee  
 Interchange  
 Sun Valley

**RAILROADS**  
 Standard gauge  
 Narrow gauge  
 Landing area  
 State  
 County; Parish  
 Park or reservation

**BOUNDARIES**  
 International  
 State  
 County; Parish  
 Park or reservation

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**Other symbols:**  
 Landplane airport  
 Landing area  
 Seaplane airport  
 Levee  
 Woods/bushwood  
 Power line  
 Landmark: School; Church; Other  
 Spot elevation in feet  
 Marsh or swamp  
 Intermittent or dry stream  
 Line

Scale 1:250,000  
 0 5 10 15 20 Statute Miles  
 0 5 10 15 20 25 30 Kilometers  
 0 5 10 15 20 Nautical Miles

**CONTOUR INTERVAL 100 FEET**  
 WITH SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVALS  
 TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 15

1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES 7° 13' 00" WEST FOR THE CENTER OF THE WEST EDGE TO 6° 13' 00" WEST FOR THE CENTER OF THE EAST EDGE

**LOCATION DIAGRAM**

OKLAHOMA NI 14-2 CANTON NI 14-5 MUSKOGEE NI 14-8 DALLAS NI 14-11 BROOKWOOD NH 14-2	ARKANSAS NI 14-3 ALEXANDER NI 14-6 ARNOH NI 14-9 TEXAS NI 14-11 MORRIS NI 14-3	MISSOURI NI 15-1 ALEXANDER NI 15-4 MORRIS NI 15-7 MORRIS NI 15-11 MORRIS NI 15-13	MISSOURI NI 15-2 MORRIS NI 15-3 MORRIS NI 15-6 MORRIS NI 15-9 MORRIS NI 15-12 MORRIS NI 15-15 MORRIS NI 15-18
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**SECTIONIZED TOWNSHIP**

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

**GRID ZONE DESIGNATION:** 15S  
 100,000 M. SQUARE IDENTIFICATION: TH UH 10 10

**TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS:**  
 SAMPLE POINT: 100000  
 1. Read letters identifying 300,000 meter square in which point is located.  
 2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure showing the line letter in the top or bottom margin of the line sheet.  
 3. Locate first HORIZONTAL grid line to BELOW point and read LARGE figure showing the line letter in the left or right margin of the line sheet.  
 Estimate tenths from grid line to point.  
 If required, round UP in any direction.  
 Profile Grid Zone Designation as: 15S 100000

**IGNORE THE SMALLER figures of grid number; these are for finding the full coordinates. Use ONLY the LARGE figures of the grid number.**  
 Example: 15S 100000

**TEXARKANA, TEX.; ARK.; OKLA.; LA.**  
 15S  
 REVISED 1972